

	L #	Hits	Search Text	DBs	Errors
1	L1	23324	compute\$5 adj2 tomogra\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	
2	L2	1174	iterat\$5 with reconstruct\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	
3	L3	112150	forward with (project or projecting or projection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	
4	L4	79891	(prior or a priori) with edge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	
5	L5	23	calculat\$5 with sinogram and measur\$5 with sinogram	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	
6	L6	59	1 and 2 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	
7	L7	1	1 and 2 and 4 and 5 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	
8	L8	1	1 and 2 and 4 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	

This

	Document ID	Title	Current OR	Current XRef	Inventor
1	US 20050105693 A1	ITERATIVE CT RECONSTRUCTION METHOD USING MULTI-MODAL EDGE INFORMATION	378/210		Zhao, Qi et al.
2	US 20050105682 A1	Highly constrained tomography for automated inspection of area arrays	378/58		Heumann, John M. et al.
3	US 20050105679 A1	Tomosynthesis imaging system and method	378/22		Wu, Tao et al.
4	US 20050048555 A1	FRET imaging using an iterative estimation algorithm	435/6	382/128; 435/287.2	Holmes, Timothy J. et al.
5	US 20040264628 A1	DYNAMIC MULTI-SPECTRAL IMAGING WITH WIDEBAND SELETABLE SOURCE	378/5		Besson, Guy M.
6	US 20040264627 A1	Dynamic multi-spectral X-ray projection imaging	378/5		Besson, Guy M.
7	US 20040264626 A1	Dynamic multi-spectral imaging with wideband selecteable source	378/4		Besson, Guy M.
8	US 20040239941 A1	Spect examination device	356/479		Schramm, Nils et al.
9	US 20040167387 A1	Methods and apparatus for improving image quality	600/407	128/922; 382/128	Wollenweber, Scott David et al.
10	US 20040144925 A1	High resolution photon emission computed tomographic imaging tool	250/363.04		Stoddart, Hugh A et al.
11	US 20040136501 A1	Methods and apparatus for motion compensation in image reconstruction	378/210		Boyd, Douglas Perry et al.
12	US 20040136490 A1	Method and apparatus for correcting motion in image reconstruction	378/4		Edic, Peter Michael et al.
13	US 20040125103 A1	Apparatus and method for volume processing and rendering	345/419		Kaufman, Arie E. et al.
14	US 20040030246 A1	Combined PET and X-ray CT tomograph	600/427	378/4; 600/436	Townsend, David W. et al.
15	US 20040013294 A1	Three-dimensional reprojection and backprojection methods and algorithms for implementation thereof	382/132	378/4	Bernard De Man, Bruno Kristiaan et al.
16	US 20030194048 A1	Reprojection and backprojection methods and algorithms for implementation thereof	378/4		De Man, Bruno Kristiaan Bernard et al.

	Document ID	Title	Current OR	Current XRef	Inventor
17	US 20030190065 A1	Fast iterative image reconstruction from linograms	382/131		Hamill, James J. et al.
18	US 20030179918 A1	Method for determining an object function	382/131		Kohler, Thomas
19	US 20030156684 A1	Method for statistically reconstructing images from a plurality of transmission measurements having energy diversity and image reconstructor apparatus utilizing the method	378/210		Fessler, Jeffrey A.
20	US 20030123718 A1	Apparatus and method for volumetric reconstruction of a cyclically moving object	382/131		Edic, Peter Michael et al.
21	US 20030118151 A1	Image reconstruction using multiple X-ray projections	378/62		Menhardt, Wido
22	US 20030103666 A1	Iterative X-ray scatter correction method and apparatus	382/132		Edic, Peter Michael et al.
23	US 20030004405 A1	Combined PET and X-Ray CT tomograph	600/407		Townsend, David W. et al.
24	US 20030001098 A1	High resolution photon emission computed tomographic imaging tool	250/363.04	250/363.1	Stoddart, Hugh A. et al.
25	US 20020177773 A1	Fast transform for reconstruction of rotating- slat data	600/436		Natterer, Frank et al.
26	US 20020106051 A1	Image reconstruction using multiple X-ray projections	378/4	378/901	Menhardt, Wido
27	US 20020085681 A1	Method and apparatus for obtaining and displaying computed tomography images using a fluoroscopy imaging system	378/197	378/205; 378/4	Jensen, Vernon Thomas
28	US 6879715 B2	Iterative X-ray scatter correction method and apparatus	382/132		Edic; Peter Michael et al.
29	US 6768782 B1	Iterative method for region-of-interest reconstruction	378/8	378/4; 378/901	Hsieh; Jiang et al.
30	US 6754298 B2	Method for statistically reconstructing images from a plurality of transmission measurements having energy diversity and image reconstructor apparatus utilizing the method	378/4	378/15; 378/94	Fessler; Jeffrey A.
31	US 6744848 B2	Method and system for low-dose three- dimensional imaging of a scene	378/55	378/37; 378/62	Stanton; Martin et al.
32	US 6740883 B1	Application of scatter and attenuation correction to emission tomography images using inferred anatomy from atlas	250/363.04	250/363.03; 250/369	Stodilka; Robert Z. et al.

	Document ID	Title	Current OR	Current XRef	Inventor
33	US 6724856 B2	Reprojection and backprojection methods and algorithms for implementation thereof	378/62	378/98	De Man; Bruno Kristiaan Bernard et al.
34	US 6666579 B2	Method and apparatus for obtaining and displaying computed tomography images using a fluoroscopy imaging system	378/197	378/62	Jensen; Vernon Thomas
35	US 6661869 B2	Image reconstruction using multiple X-ray projections	378/62	378/98.3	Menhardt; Wido
36	US 6631285 B2	Fast transform for reconstruction of rotating-slat data	600/436	250/363.1; 378/4; 378/901; 382/131; 600/407; 600/425; 600/431	Natterer; Frank et al.
37	US 6631284 B2	Combined PET and X-ray CT tomograph	600/427	250/363.03; 250/363.04; 378/4; 600/431; 600/436	Nutt; Ronald et al.
38	US 6577700 B1	Neural network based multi-criteria optimization image reconstruction technique for imaging two- and three-phase flow systems using electrical capacitance tomography	378/4	324/686; 324/691; 378/901	Fan; Liang-Shih et al.
39	US 6507633 B1	Method for statistically reconstructing a polyenergetic X-ray computed tomography image and image reconstructor apparatus utilizing the method	378/8	378/4; 378/5; 378/94	Elbakri; Idris A. et al.
40	US 6490476 B1	Combined PET and X-ray CT tomograph and method for using same	600/427	250/363.03; 250/363.04; 378/4; 600/431; 600/436	Townsend; David W. et al.
41	US 6470070 B2	Image reconstruction using multiple X-ray projections	378/62	378/98.3	Menhardt; Wido
42	US 6381349 B1	Projector/backprojector with slice-to-slice blurring for efficient 3D scatter modeling	382/128		Zeng; Gengsheng Lawrence et al.
43	US 6339652 B1	Source-assisted attenuation correction for emission computed tomography	382/131		Hawkins; William G. et al.
44	US 6310968 B1	Source-assisted attenuation correction for emission computed tomography	382/131	250/363.04	Hawkins; William G. et al.
45	US 6263096 B1	Multilevel domain decomposition method for fast reprojection of images	382/128	378/65	Boag; Amir et al.
46	US 6002738 A	System and method of performing tomographic reconstruction and volume rendering using texture mapping	378/4	378/15; 378/901	Cabral; Brian K. et al.

	Document ID	Title	Current OR	Current XRef	Inventor
47	US 5907594 A	Reconstruction of volumetric images by successive approximation in cone-beam computed tomography systems	378/4	378/15; 378/901	Lai; Ching-Ming
48	US 5818050 A	Collimator-free photon tomography	250/363.09	250/363.04	Dilmanian; F. Avraham et al.
49	US 5744802 A	Image generation from limited projections in positron emission tomography using multi-slice rebinning	250/363.03	250/363.04; 378/901	Muehllehner; Gerd et al.
50	US 5654820 A	Optoelectronic system for implementation of iterative computer tomography algorithms	359/298	342/179; 359/32	Lu; Tongxin et al.
51	US 5565684 A	Three-dimensional SPECT reconstruction of combined cone-beam and fan-beam data	250/363.04	250/363.1	Gullberg; Grant T. et al.
52	US 5559335 A	Rotating and warping projector/backprojector for converging-beam geometries	250/363.04	378/901	Zeng; Gengsheng L. et al.
53	US 5414623 A	Optoelectronic system for implementation of iterative computer tomography algorithms	382/131		Lu; Tongxin et al.
54	US 5307264 A	Method and apparatus for computing tomographic scans	378/14		Waggener; Robert G. et al.
55	US 5128864 A	Method for computing tomographic scans	378/14		Waggener; Robert G. et al.
56	WO 9901065 A1	ITERATIVE CONE-BEAM CT RECONSTRUCTION			LAI, CHING-MING
57	US 6339652 B	Maximum likelihood expectation maximization image reconstruction method involves reprojecting or forwardly projecting estimated emission map and attenuation map in order to obtain projection views			GAGNON, D et al.
58	US 5907594 A	Image reconstruction method for cone-beam computed tomography system - includes using successive approximation to incrementally improve quality of resultant image, with exponential decrease in error at each succession			LAI, C
59	US 5654820 A	Computer tomography back-projection processor for smearing one-dimensional image onto two-dimensional CCD detector array - has spatial light modulator projector for projecting stretched 1-D image via image rotator onto two-dimensional CCD detector array which outputs back-projected data			LU, T et al.

This

	Document ID	Title	Current OR	Current XRef	Inventor
1	US 20050105693 A1	ITERATIVE CT RECONSTRUCTION METHOD USING MULTI-MODAL EDGE INFORMATION	378/210		Zhao, Qi et al.